

ENERGY GOSTAR ROYAN

Supplying of Oil, Gas & Petrochemical Industries Equipments



**OIL & GAS
PROCUREMENT**
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INCH UNITS

ASME Pipe Schedule
Inch Units (Metric)
ASME B36.10M/ B36.19M
OD = mm
Wall thickness=inches
Weight = kg/m
Vol/m = m3

Nominal Pipe Size inches	OD mm	Figures based on Austenitic Steel														Shipping					
		10	20	30	STD	40	60	XS	80	100	120	140	160	XXS	5S	10S	40S	80S	Vol/m m3		
1/8	10.30				1.73 0.37	1.73 0.37		2.41 0.47	2.41 0.47									1.24 0.28	1.73 0.36	2.41 0.48	0.0001
1/4	13.70				2.24 0.63	2.24 0.63		3.02 0.80	3.02 0.80									1.65 0.51	2.24 0.64	3.02 0.82	0.0001
3/8	17.10				2.31 0.84	2.31 0.84		3.20 1.10	3.20 1.10									1.65 0.64	2.31 0.86	3.20 1.12	0.0003
1/2	21.30				2.77 1.27	2.77 1.27		3.73 1.62	3.73 1.62					4.78 1.95	7.47 2.55	1.65 0.82	2.11 1.01	2.77 1.36	3.73 1.65	0.0004	
3/4	26.70				2.87 1.69	2.87 1.69		3.91 2.20	3.91 2.20					5.56 2.90	7.82 3.64	1.65 1.04	2.11 1.31	2.87 1.71	3.91 2.24	0.0007	
1	33.40				3.38 2.50	3.38 2.50		4.55 3.24	4.55 3.24					6.35 4.24	9.09 5.45	1.65 1.33	2.77 2.13	3.38 2.55	4.55 3.29	0.0011	
1 1/4	42.20				3.56 3.39	3.56 3.39		4.85 4.47	4.85 4.47					6.35 5.61	9.70 7.77	1.65 1.68	2.77 2.76	3.56 3.46	4.85 4.56	0.0018	
1 1/2	48.30				3.68 4.05	3.68 4.05		5.08 5.41	5.08 5.41					7.14 7.25	10.15 9.55	1.65 1.95	2.77 3.17	3.68 4.13	5.08 5.51	0.0023	
2	60.30				3.91 5.44	3.91 5.44		5.54 7.48	5.54 7.48					8.74 11.11	11.07 13.44	1.65 2.44	2.77 4.01	3.91 5.54	5.54 7.63	0.0036	
2 1/2	73.00				5.16 8.63	5.16 8.63		7.01 11.41	7.01 11.41					9.53 14.92	14.02 20.39	2.11 3.77	3.05 5.36	5.16 8.81	7.01 11.64	0.0053	
3	88.90				5.49 11.29	5.49 11.29		7.62 15.27	7.62 15.27					11.13 21.35	15.24 27.68	2.11 4.60	3.05 6.59	5.49 11.52	7.62 15.59	0.0079	
3 1/2	101.60				5.74 13.57	5.74 13.57		8.08 18.64	8.08 18.63							2.11 5.29	3.05 7.55	5.74 13.84	8.08 19.01	0.0103	
4	114.30				6.02 16.08	6.02 16.08		8.56 22.32	8.56 22.32			11.13 28.32		13.49 33.54	17.12 41.03	2.11 5.96	3.05 8.52	6.02 16.40	8.56 22.77	0.0130	
5	141.30				6.55 21.77	6.55 21.77		9.53 30.97	9.53 30.97			12.70 40.28		15.88 49.12	19.05 57.43	2.77 9.67	3.40 11.82	6.55 22.20	9.53 31.59	0.0199	
6	168.30				7.11 28.26	7.11 28.26		10.97 42.56	10.97 42.56			14.27 54.21		18.26 67.57	21.95 79.22	2.77 11.55	3.40 14.13	7.11 28.83	10.97 43.42	0.028	
8	219.10		6.35 33.32	7.04 36.81	8.18 42.55	8.18 42.55	10.31 53.09	12.70 64.64	12.70 64.64	15.09 75.92	18.26 90.44	20.62 100.93	23.01 111.27	22.23 107.93	2.77 15.09	3.76 20.37	8.18 43.39	12.70 65.59	0.048		
10	273.10		6.35 41.76	7.80 51.03	9.27 60.31	9.27 60.31	12.70 81.55	12.70 81.53	15.09 96.01	18.26 114.71	21.44 133.01	25.40 155.10	28.58 172.27	25.40 155.15	3.40 23.08	4.19 28.34	9.27 61.52	12.70 83.19	0.074		
12	323.90		6.35 49.71	8.38 65.20	9.53 73.86	10.31 79.71	14.27 108.93	12.70 97.44	17.48 132.08	21.44 159.87	25.40 186.97	28.58 208.08	33.32 238.69	25.40 186.92	3.96 31.89	4.57 36.73	9.53 75.52	12.70 99.43	0.104		
14	355.60	6.35 54.69	7.92 67.91	9.53 81.33	9.53 81.33	11.13 94.55	15.09 126.72	12.70 107.39	19.05 158.10	23.83 194.98	27.79 224.66	31.75 253.38	35.71 281.72		3.96 35.06	4.78 42.14			0.126		
16	406.40	6.35 62.64	7.92 77.83	9.53 93.27	9.53 93.27	12.70 123.31	16.66 160.13	12.70 123.30	21.44 203.53	26.19 245.57	30.96 286.66	36.53 333.19	40.49 365.35		4.19 42.41	4.78 48.26			0.165		
18	457.00	6.35 70.57	7.92 87.71	11.13 122.38	9.53 105.17	14.27 155.81	19.05 205.75	12.70 139.16	23.83 254.55	29.36 309.64	34.93 363.58	39.67 408.28	45.24 459.39		4.19 47.77	4.78 60.46			0.208		
20	508.00	6.35 78.56	9.53 117.15	12.70 155.12	9.53 117.15	15.09 183.43	20.62 247.84	12.70 155.13	26.19 311.17	32.54 381.55	38.10 441.52	44.45 508.15	50.01 564.85		4.78 60.46	5.54 70.00			0.258		
22	559.00	6.35 86.55	9.53 129.14	12.70 171.09	9.53 129.14		22.23 294.27	12.70 171.10	28.58 373.83	34.93 451.45	41.28 527.05	47.63 600.57	53.98 672.30		4.78 66.57	5.54 77.06			0.312		
24	610.00	6.35 94.53	9.53 141.12	14.27 209.64	9.53 141.12	17.48 255.43	24.61 355.28	12.70 187.07	30.96 442.08	38.89 547.74	46.02 640.07	52.37 720.19	59.54 808.27		5.54 84.16	6.35 96.37			0.372		
26	660.00	7.92 127.36	12.70 202.74		9.53 152.88			12.70 202.74												0.435	
28	711.00	7.92 137.32	12.70 218.69	15.88 271.21	9.53 164.88			12.70 218.71												0.505	
30	762.00	7.92 147.29	12.70 234.67	15.88 292.18	9.53 176.85			12.70 234.68							6.35 120.72	7.92 150.36				0.580	
32	813.00	7.92 157.24	12.70 250.64	15.88 312.15	9.53 188.83	17.48 342.91		12.70 250.64												0.660	
34	864.00	7.92 167.21	12.70 266.61	15.88 332.12	9.53 200.32	17.48 364.92		12.70 266.63												0.746	
36	914.00	7.92 176.97	12.70 282.27	15.88 351.70	9.53 212.57	19.05 420.45		12.70 282.27												0.835	
38	965.00				9.53 224.54			12.70 298.26												0.931	
40	1016.00				9.53 236.54			12.70 314.23												1.032	
42	1067.00				9.53 248.53			12.70 330.01												1.138	
44	1118.00				9.53 260.52			12.70 346.18												1.249	
46	1168.00				9.53 272.27			12.70 351.84												1.364	
48	1219.00				9.53 284.24			12.70 377.79												1.485	

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